

**AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-39. (canceled)

40. (new) A composition comprising one or more carotenoids, and one or more of the following substances: vitamins, minerals, amino acids, lipids, peptides, nucleotides and/or polysaccharides.

41. (new) A composition as claimed in claim 40, further comprising an aqueous diluent, wherein the composition is in the liquid state.

42. (new) A composition as claimed in claim 40, wherein one or more of the components of the composition are water soluble.

43. (new) A composition as claimed in claim 40, wherein one or more of the components of the composition is/are fat soluble.

44. (new) A composition as claimed claim 41, wherein the fat soluble components are in the form of micelles.

45. (new) A composition as claimed in claim 40, wherein the composition comprises one or more water soluble vitamins and one or more fat soluble vitamins.

46. (new) A composition as claimed in claim 40, wherein the composition comprises one or more water soluble carotinoids and one or more fat soluble carotinoids.

47. (new) A composition as claimed in claim 40, wherein the composition comprises one or more water soluble amino acids and one or more fat soluble amino acids.

**GEACH**  
**U.S. National Phase of PCT/GB2003/003553**

48. (new) A composition as claimed in claim 40, wherein the composition comprises one or more water soluble minerals and one or more fat soluble minerals.

49. (new) A composition as claimed in claim 40, wherein the composition comprises one or more water soluble peptides and one or more fat soluble peptides.

50. (new) A composition as claimed in claim 40, wherein the composition comprises one or more water soluble nucleic acids and one or more fat soluble nucleic acids.

51. (new) A composition as claimed in claim 40, wherein the composition comprises an oil.

52. (new) A composition as claimed in claim 40, wherein the composition comprises water soluble 1, 3  $\beta$ -glucan or 1,6  $\beta$ -glucan.

53. (new) A composition as claimed in claim 40, further comprising cellulose, gum and or a sugar derivative.

54. (new) A composition as claimed in claim 40, further comprising an emulsifier, preferably Polysorbate 80.

55. (new) A composition as claimed in claim 40, further comprising a stabilising agent, preferably monopropylene glycol.

56. (new) A composition as claimed in claim 40, further comprising a preservative, preferably phosphoric acid and/or potassium sorbate.

57. (new) A composition as claimed in claim 40, further comprising an antioxidant other than a carotenoid, preferably ascorbyl polyphosphate and/or butylated hydroxy-toluene.

58. (new) A composition as claimed in claim 40, wherein the inclusion of one or more carotenoid is optional.

**GEACH**  
**U.S. National Phase of PCT/GB2003/003553**

59. (new) A composition for enriching the diet of a captive species, wherein the composition is as claimed in claim 40.

60. (new) A composition as claimed in claim 59, wherein the captive species are fish, preferably farmed fish, ornamental fish, or aquarium fish.

61. (new) A composition as claimed in claim 59, wherein the composition is incorporated in feed.

62. (new) A method for the enrichment of feed, comprising soaking the feed in a composition as claimed in claim 40.

63. (new) A method as claimed in claim 62, wherein the feed is defrosting or defrosted.

64. (new) A method as claimed in claim 62, wherein the feed is soaked in the composition prior to freezing.

65. (new) A method for the enrichment of feed, comprising spraying the feed with a composition as claimed in claim 40.

66. (new) A method for the enrichment of feed, comprising the addition of the composition as claimed in claim 40 before or during the production of processed feed.

67. (new) A method for enrichment of feed, comprising the injection of the composition as claimed in claim 40 into the feed.

68. (new) A method for enrichment of feed, comprising adding the composition as claimed in claim 40 to the environment or diet of live feed.

69. (new) A feed comprising a composition as claimed in claim 40.